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Lee, J.E.; Rho, Y.; Oh, S.C.; Kim, H.-J.; Ha, Y.K.; Bae, J.S.; Baek, I.G.; Park, S.O.; Chu J.T.;
Magnetism, IEEE Transactions on
Volume 40, Issue 4, July 2004 Page(s):2275 - 2277
AbstractPlus References Full Text: PDF(200 KB) IEEE JNL |
| <input type="checkbox"/> | 2. Sputter-induced random micro texturing on NiP plated aluminium and alternate s
Teng, E.; Nguyen, P.; Eltoukhy, A.;
Magnetism, IEEE Transactions on
Volume 30, Issue 6, Nov 1994 Page(s):4119 - 4121
AbstractPlus Full Text: PDF(472 KB) IEEE JNL |
| <input type="checkbox"/> | 3. Effects of Pt seed layer and Ar pressure on magnetic and structural properties of CoNi/Pt multilayers
Meng, Q.; de Haan, P.; van Drent, W.P.; Lodder, J.C.; Popma, T.J.A.;
Magnetism, IEEE Transactions on
Volume 32, Issue 5, Sept. 1996 Page(s):4064 - 4066
AbstractPlus Full Text: PDF(420 KB) IEEE JNL |
| <input type="checkbox"/> | 4. Texture evolutions of ionized metal plasma Cu seed layers on tantalum nitride b
Shih-Chieh Chang; Ying-Lang Wang; Ting-Chun Wang;
Semiconductor Manufacturing, IEEE Transactions on
Volume 17, Issue 3, Aug. 2004 Page(s):384 - 387
AbstractPlus References Full Text: PDF(280 KB) IEEE JNL |
| <input type="checkbox"/> | 5. High moment epitaxial Fe-N thin films
Soon Cheon Byeon; Fenglin Liu; Mankey, G.J.;
Magnetism, IEEE Transactions on
Volume 37, Issue 4, July 2001 Page(s):1770 - 1772
AbstractPlus References Full Text: PDF(92 KB) IEEE JNL |
| <input type="checkbox"/> | 6. Integrated multiscale multistep process simulation
Yeon Ho Im; Bloomfield, M.O.; Sukam, C.P.; Tichy, J.A.; Cale, T.S.; Jongwon Seok;
Simulation of Semiconductor Processes and Devices, 2003. SISPAD 2003. Internation
3-5 Sept. 2003 Page(s):307 - 310 |

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7. Design and fabrication of microchannels for magnetohydrodynamic flow

Jian-Bin Bao; Harrison, D.J.;

MEMS, NANO and Smart Systems, 2003. Proceedings. International Conference on
20-23 July 2003 Page(s):396 - 399

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1. **Structure, stress, and magnetic properties of high saturation magnetization films**
Vas'ko, V.A.; Rantschler, J.O.; Kief, M.T.;
Magnetics, IEEE Transactions on
Volume 40, Issue 4, July 2004 Page(s):2335 - 2337
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- ☐ 1. **Investigation in the effect of nitrogen incorporation in heteroepitaxial diamond film texture, morphology, and crystalline quality**
 Mossbrucker, J.; Huang, W.S.; Wright, B.; Ayres, V.; Khatami, S.; Asmussen, J.; Plasma Science, 1998. 25th Anniversary. IEEE Conference Record - Abstracts. 1998 I on
 1-4 June 1998 Page(s):222
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- ☐ 1. **Investigation in the effect of nitrogen incorporation in heteroepitaxial diamond film texture, morphology, and crystalline quality**
Mossbrucker, J.; Huang, W.S.; Wright, B.; Ayres, V.; Khatami, S.; Asmussen, J.; Plasma Science, 1998. 25th Anniversary. IEEE Conference Record - Abstracts. 1998 1 on
1-4 June 1998 Page(s):222
[AbstractPlus](#) | Full Text: [PDF\(92 KB\)](#) IEEE CNF

- ☐ 2. **Templated grain growth of Bi/sub 0.5/Na/sub 0.5/TiO/sub 3/ with seeds of the san**
Setasuwon, P.; Vaneesorn, N.; Thanaboonsombut, A.; Kijamnajsuk, S.; Applications of Ferroelectrics, 2004. ISAF-04. 2004 14th IEEE International Symposium 23-27 Aug. 2004 Page(s):254 - 257
[AbstractPlus](#) | Full Text: [PDF\(1553 KB\)](#) IEEE CNF

- ☐ 3. **Investigation of factors affecting electrical properties of PZT thin film capacitors**
Kanai, H.; Yamashita, Y.; Yamakawa, K.; Applications of Ferroelectrics, 1998. ISAF 98. Proceedings of the Eleventh IEEE Intern Symposium on
24-27 Aug. 1998 Page(s):121 - 124
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- ☐ 4. **Feedback model inspired by biological development to hierarchically design con**
Ohntishi, K.; Takagi, H.; Systems, Man, and Cybernetics, 2000 IEEE International Conference on
Volume 5, 8-11 Oct. 2000 Page(s):3699 - 3704 vol.5
[AbstractPlus](#) | Full Text: [PDF\(544 KB\)](#) IEEE CNF

- ☐ 5. **Region segmentation and matching in stereo images**
Boufama, B.; O'Connell, D.; Pattern Recognition, 2002. Proceedings. 16th International Conference on
Volume 3, 11-15 Aug. 2002 Page(s):631 - 634 vol.3
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L2	60	(seed) same (NiFeCr or (Ni adj Fe adj Cr)) and (jagged or uneven or irregular or coarse or turbulent or choppy or bumpy or rugged or rough\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/14 10:28
L4	14	(seed) same (NiFeCr or (Ni adj Fe adj Cr)) same (jagged or uneven or irregular or coarse or turbulent or choppy or bumpy or rugged or rough\$ or etch\$ or abrad\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/14 11:41
L5	45	(seed) same (NiFeCr or (Ni adj Fe adj Cr)) same (jagged or uneven or irregular or coarse or turbulent or choppy or bumpy or rugged or rough\$ or etch\$ or abrad\$ or alter\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/14 11:48
L6	28891	(seed) same (jagged or uneven or irregular or coarse or turbulent or choppy or bumpy or rugged or rough\$ or etch\$ or abrad\$ or alter\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/14 12:48
L7	1559	360/324\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/14 11:49
L8	192	6 and 7	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/14 12:41
L9	195	6 and 29/603\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/14 12:42
L10	129	(seed) same (jagged or uneven or irregular or coarse or turbulent or choppy or bumpy or rugged or rough\$ or etch\$ or abrad\$ or alter\$) and (NiFeCr or (Ni adj Fe adj Cr))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/14 12:51
L11	38	(jagged or uneven or irregular or coarse or turbulent or choppy or bumpy or rugged or rough\$ or etch\$ or abrad\$ or alter\$) near5 seed and (NiFeCr or (Ni adj Fe adj Cr))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/14 12:50

S1	203	360/324.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 11:53
S2	164	360/324.1.ccls. and ("Ta" or tanta\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/15 03:57
S3	16	360/324.1.ccls. and (("Ta" or tanta\$5) same "NiFeCr")	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/15 04:06
S4	123	"360"/\$.ccls. and (("Ta" or tanta\$5) same "NiFeCr")	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/15 04:01
S5	0	((body adj center\$2) adj cubic) same (NiFeCr) same ("110" adj orient\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:03
S6	0	((body adj center\$2) adj cubic) same (Ni adj Fe adj Cr) same ("110" adj orient\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:03
S7	0	((body adj center\$2) adj cubic) same (Ni adj Fe adj Cr) and ("110" adj orient\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:03
S8	4	((body adj center\$2) adj cubic) same (Ni adj Fe adj Cr)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:04
S9	20	((body adj center\$2) adj cubic) same ("110" adj orient\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:08
S10	330	NiFeCr or (Ni adj Fe adj Cr) and ("110" adj orient\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:08
S11	2	((NiFeCr) or (Ni adj Fe adj Cr)) same ("110" adj orient\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:12

S12	330	(NiFeCr) or (Ni adj Fe adj Cr) same ("110" adj orient\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:11
S13	16	((NiFeCr) or (Ni adj Fe adj Cr)) same (bcc or (body adj center\$3 adj cubic))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:46
S14	0	360/324.ccls and NiFeCr	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:47
S15	4	360/324.ccls. and NiFeCr	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:53
S16	25	360/324.1.ccls. and NiFeCr	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:54
S17	6	(360/324.1.ccls. and NiFeCr) and bcc	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:53
S18	51	360/324.11.ccls. and NiFeCr	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 11:04
S19	6	(360/324.11.ccls. and NiFeCr) and bcc	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 10:54
S20	48	360/324.12.ccls. and NiFeCr	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 11:04
S21	22	360/324.12.ccls. and NiCr	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 11:04
S22	10	360/324.11.ccls. and NiCr	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 11:04

S23	19	360/324.1.ccls. and NiCr	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 11:04
S24	15	((body adj center\$2) adj cubic) same (Ni adj Cr)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 11:06
S25	5511	((seed adj layer) or (underlayer) or (seed layer)) same (Ni adj Cr)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 11:08
S26	409	(underlayer or seed or (under near2 layer)) same (NiCr or (Ni adj Cr))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 11:09
S27	43	360/324\$.ccls. and ((underlayer or seed or (under near2 layer)) same (NiCr or (Ni adj Cr)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 11:12
S28	30	(bcc or (body adj center\$ adj cubic)) same ((NiCr) or (Ni adj Cr))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 13:37
S29	1	(NiFeCr or (Ni adj Fe adj Cr)) same (crystal near2 particle near2 size)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 13:39
S30	1	(NiFeCr or (Ni adj Fe adj Cr)) same ((crystal near2 particle near2 size) or (crystal adj size))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 13:42
S31	1	(NiFeCr or (Ni adj Fe adj Cr)) same ((crystal\$4 near2 particl\$4 near2 siz\$4) or (crystal adj size))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 13:43
S32	48	(NiFeCr or (Ni adj Fe adj Cr)) same (size)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/16 13:44
S33	16	(bcc or (body adj center\$ adj cubic)) same ((NiFeCr) or (Ni adj Fe adj Cr))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/19 11:22

S34	2	(bcc or (body adj center\$ adj cubic)) same ("110") near3 orientation) and ((NiFeCr) or (Ni adj Fe adj Cr))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/19 11:23
S35	56	(bcc or (body adj center\$ adj cubic)) same ("110") near3 orientation)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/12/19 11:23
S36	0	"360"/\$.ccls. and (((three or "3") adj (under adj layer\$2)) same NiFeCr)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/19 12:16
S37	1	(((three or "3") adj (under adj layer\$2)) same NiFeCr)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/19 12:16
S38	94	((three or "3") adj (under adj layer\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/19 12:16
S39	97	(three or "3") adj (under adj layer\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 11:59
S40	13	((three or "3") adj (under adj layer\$2)) and "360"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/08/04 09:30
S41	13	(((three or "3") adj (under adj layer\$2)) and "360"/\$.ccls.) and "360"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/08/04 09:30
S42	1	((three or "3") adj (under adj layer\$2)) and "369"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/08/04 09:30
S43	1440	((three or "3") adj (under adj layer\$2)) or (tri adj layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/08/04 09:57
S44	67	(((three or "3") adj (under adj layer\$2)) or (tri adj layer)) and "360"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/13 15:17

S45	2	"6687098".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/08/04 09:50
S46	18	("4907113" "5111352" "5206590" "5408377" "5492720" "5508866" "5583725" "5591533" "5637235" "5638235" "5666246" "5701223" "5715120" "5731936" "5738946" "5764445" "5766780" "5850323").PN.	USPAT	OR	ON	2004/08/04 09:50
S47	1443	((three or "3" or third) adj (under adj layer\$2) or (tri adj layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/08/04 09:58
S48	71	((((three or "3" or third) adj (under adj layer\$2)) or (tri adj layer)) and (spin adj valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/13 15:18
S49	3	"6411476".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/08/04 10:06
S50	20	("5018037" "5103553" "5543989" "5598309" "5666250" "5801909" "5835315" "5850323" "5858455" "5888669" "5898549" "5923505" "5959809" "6076965" "6077603" "6127053" "6141191" "6143388" "6185081" "6208492").PN.	USPAT	OR	ON	2004/08/04 10:13
S51	7	"6411476".URPN.	USPAT	OR	ON	2004/08/04 10:16
S179	297	360/324.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 11:58
S180	297	360/324.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 11:58
S181	89	S180 and (seed adj layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 11:58
S182	130	(three or "3") adj (seed adj layer\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 12:21

S183	136	(three or "3" or trilayer or (tri adj layer)) adj (seed adj layer\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 14:17
S184	2	("6046892" "6222707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 13:03
S185	0	("6775111").URPN.	USPAT	OR	OFF	2005/01/12 13:05
S186	136	(three or "3" or trilayer or (tri adj layer)) adj (seed adj layer\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 14:24
S187	20	("5018037" "5103553" "5543989" "5598309" "5666250" "5801909" "5835315" "5850323" "5858455" "5888669" "5898549" "5923505" "5959809" "6076965" "6077603" "6127053" "6141191" "6143388" "6185081" "6208492").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 14:17
S188	11	(three or "3" or trilayer or (tri adj layer)) adj (seed adj layer\$2) and (NiFeCr or (Ni adj Fe adj Cr))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 14:31
S189	0	(three or "3" or trilayer or (tri adj layer)) adj (seed adj layer\$2) same (NiFeCr or (Ni adj Fe adj Cr))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 14:26
S190	0	(three or "3" or trilayer or (tri adj layer)) adj (seed) same (NiFeCr or (Ni adj Fe adj Cr) or (nickel adj ferrit\$ adj chromium))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 14:31
S191	210	(seed adj layer\$2) same (NiFeCr or (Ni adj Fe adj Cr))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 15:34
S192	219	(seed) same (NiFeCr or (Ni adj Fe adj Cr) or (nickel adj ferrit\$ adj chromium))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 16:20
S193	217	(S191 or S192) and (trilayer or (tri adj layer\$) or layer\$ or (S187 adj layer) or (three adj layer) or S187 or three)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 14:34

S194	117	(S191 or S192) and (trilayer or (tri adj layer\$) or (S187 adj layer) or (three adj layer) or S187 or three)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 14:34
S195	73	(S191 or S192) and (trilayer or (tri adj layer\$) or (S187 adj layer) or (three adj layer))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 14:34
S196	9	("5738938" "5793279" "5796560" "6108177" "6226159" "6249406" "6356419" "6430014" "6519121").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 14:41
S197	5	("5508867" "5742162" "5768071" "6117569" "6195240").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 15:03
S198	3	("6430014").URPN.	USPAT	OR	OFF	2005/01/12 15:12
S199	11	((("5849422") or ("5850323") or ("5869963") or ("5896252") or ("6046892"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/01/12 15:14
S200	0	("8315326.pn.").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/01/12 15:15
S201	2	"08315326".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/01/12 15:16
S202	10	(seed adj layer\$2) same (NiFeCr or (Ni adj Fe adj Cr)) same (etch\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 15:43
S203	10	(seed) same (NiFeCr or (Ni adj Fe adj Cr)) same (etch\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/13 15:00
S204	50	(NiFeCr or (Ni adj Fe adj Cr)) same (etch\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 15:51
S205	10	(seed) same (NiFeCr or (Ni adj Fe adj Cr) or (nickel adj ferrit\$ adj chromium)) same (etch\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/12 16:20

S206	14	(seed) same (NiFeCr or (Ni adj Fe adj Cr)) same (etch\$ or rough)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/14 10:25
S207	2	("6674616").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/06/13 15:04
S208	6	((("6430014") or ("6490140") or ("6674616"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/06/13 15:05
S209	1	seed same (NiFeCr or (Ni adj Fe adj Cr)) same (jagged or uneven or irregular or coarse or turbulent or choppy or bumpy or rugged or rough)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/13 15:13
S210	2	seed same (NiFeCr or (Ni adj Fe adj Cr)) same (jagged or uneven or irregular or coarse or turbulent or choppy or bumpy or rugged or rough\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/13 15:13
S211	0	((((three or "3") adj (under adj layer\$2)) or (tri adj layer)) and seed same (NiFeCr or (Ni adj Fe adj Cr)) same (jagged or uneven or irregular or coarse or turbulent or choppy or bumpy or rugged or rough\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/13 15:18
S212	0	((((three or "3" or third) adj (under adj layer\$2)) or (tri adj layer)) and (spin adj valve) and seed same (NiFeCr or (Ni adj Fe adj Cr)) same (jagged or uneven or irregular or coarse or turbulent or choppy or bumpy or rugged or rough\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/13 15:18
S213	0	((((three or "3" or third) adj (under adj layer\$2)) or (tri adj layer)) and (spin adj valve) and (seed same (NiFeCr or (Ni adj Fe adj Cr)) same (jagged or uneven or irregular or coarse or turbulent or choppy or bumpy or rugged or rough\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/13 15:18